[DOCUMENT]   CLAIMS

[Claim 1]

A parts marketing system for designing and selling parts based on customer's product specifications, wherein the system selects and sells parts lot having optimal distribution data of dimensions or characteristics, based on both of customer's product specifications and distribution data of dimensions or characteristics of parts combined by the customer.

[Claim 2]

The parts marketing system according to Claim 1, wherein at least one boundary value is defined between an ideal value of either characteristic parameter or dimension parameter of parts and a tolerance limit value, and then parts are classified by the ideal value, the tolerance limit value and the boundary value, to deliver the parts to the customer.

[Claim 3]

The parts marketing system according to Claim 2, wherein the boundary value is defined between a neighboring region closer to the ideal value of either characteristic parameter or dimension parameter of parts and a remote region residing in tolerance but apart from the ideal value, and then the parts are classified by the neighboring region and the remote region to deliver the parts to the customer.

[Claim 4]

The parts marketing system according to Claim 1, comprising:

a database unit for storing distribution data of dimensions or characteristics of each lot, and price and

delivery date with respect to delivery parts;

an input unit for inputting the customer's product specifications and the distribution data of dimensions or characteristics of parts combined by the customer;

5   a simulation unit for retrieving required information from the database unit, based on information from the input unit, and for selecting parts lot having optimal distribution data of dimensions or characteristics using a simulator; and

10   an output unit for indicating an estimation sheet including the distribution data of dimensions or characteristics, the delivery date and the price with respect to the selected optimal parts lot.

[Claim 5]

15   The parts marketing system according to Claim 4, wherein the input unit and the output unit are provided in the same workstation unit.

[Claim 6]

The parts marketing system according to Claim 4,
20   wherein in a case of lacking appropriate information in the database unit, acceptable information of the parts lot is registered from a production management unit into the database unit.

[Claim 7]

25   The parts marketing system according to Claim 4, wherein at least two out of the database unit, the input unit, the simulation unit, the output unit and the production management unit are capable of communicating information through an internet unit with each other.

30   [Claim 8]

The parts marketing system according to Claim 4, wherein at least two out of the database unit, the input unit, the simulation unit and the output unit are provided in the same machine.

5 [Claim 9]

The parts marketing system according to Claim 4, wherein the simulator simulates distribution of dimension parameter or characteristic parameter of the delivery parts, based on both of distribution of dimensions or

10 characteristics of the customer's product and distribution data of dimension parameter or characteristic parameter of the parts combined by the customer.

[Claim 10]

The parts marketing system according to Claim 4,

15 wherein the simulator utilizes at least one of Monte Carlo simulation and addition theorem of variance.

[Claim 11]

The parts marketing system according to Claim 1, wherein the parts combined by the customer are optical

20 fibers, and the parts to be designed and sold are at least one of ferrules and sleeves.

[Claim 12]

The parts marketing system according to Claim 1, wherein the characteristic parameter or the dimension

25 parameter of the parts is at least one of concentricity and inner diameter of the ferrule.

[Claim 13]

The parts marketing system according to Claim 1, wherein the classified parts residing in each of the

30 neighboring region and the remote region are baled in a

different package, respectively.

[Claim 14]

The parts marketing system according to Claim 13, wherein the different package has a different color of a

5   package case.